CONNECTING STRUCTURE OF A MOUSE PAD WITH AN ARMREST

BACKGROUND OF THE INVENTION

1. Field of the invention

The present invention relates to a mouse pad, more particularly one, which is attached to an armrest of a chair by means of magnetic force, and which is easily adjustable in position.

2. Brief Description of the Prior Art

Computer users may rest their elbows on chair armrests while operating mice, which are supported on desks, in case the desks are too small to provide enough space for their hands. And, the computer users can't operate the mice smoothly, and are prone to have sore arms and wrists in case the armrests are not as high as the desks.

SUMMARY OF THE INVENTION

It is a main object of the present invention to provide a mouse pad, which can be attached to a chair armrest; thus, a computer user can operate a mouse on the mouse pad smoothly while resting the elbow on the armrest.

The mouse pad of the present invention has an iron plate joined

thereto while a chair armrest has a magnet joined to an upper portion thereof. The magnet has such a magnetic force on the iron plate as to be capable of preventing the mouse pad from falling off the armrest after the mouse pad is positioned on the armrest, and attracted to the magnet. The mouse pad can be horizontally adjusted after being attracted to the magnet.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be better understood by referring to the accompanying drawings, wherein:

Fig. 1 is a vertical section of the first embodiment in the present invention,

Fig. 2 is a vertical section of the second embodiment,

Fig. 3 is a vertical section of the third embodiment, and

Fig. 4 is a vertical section of a mouse pad equipped with a wrist rest according to the present invention, attached to an armrest.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Fig. 1, a first preferred embodiment of a mouse pad attachable to a chair armrest in the present invention includes a mouse

pad 2, and a magnet 13. The mouse pad 2 is comprised of a shell 21, and an iron plate 22 held in the shell 21 while the magnet 13 is stuck on a lower side of an upper portion of an armrest 1 by means of adhesive 12; the magnet 13 has such a magnetic force on the iron plate 22 that it can prevent the mouse pad 2 from being easily lifted to fall off the armrest 1 after the mouse pad 2 is positioned on the armrest 1 and attracted to the magnet 13. In addition, the mouse pad 2 can be horizontally displaced relative to the magnet 13 after being attracted to the same. Consequently, the mouse pad 2 can be attached to the armrest 1, and can be horizontally adjusted in position with ease.

Referring to Fig. 2, which is a vertical section of a second preferred embodiment, a chair armrest 3 is formed with a holding room 32 on a lower side of an upper portion thereof while a magnet 33, whose strength is substantially equal to that of the above magnet 13, is tightly fitted in the holding room 32. Thus, the mouse pad 2 can be attached to the armrest 3 with the help of the magnet 33.

Referring to Fig. 3, which is a vertical section of a third preferred embodiment, a chair armrest 4 is formed with a holding recess 42 on an upper portion thereof, and a magnet 43, whose strength is substantially equal to that of the above magnets 13 and 33, is held in the holding recess 42; thus, the mouse pad 2 can be attached to the armrest 4 with the help of the magnet 43. In addition, a covering 43 is positioned over the armrest 4 to prevent the magnet 43 from falling off.

Referring to Fig. 4, the mouse pad 2 has a wrist rest 5 attached to an upper side thereof. The wrist rest 5 is equipped with a magnet 51, which has such a magnet force on the iron plate 22 that the wrist rest 5 can be attached to the mouse pad 2 when it is positioned on the pad 2.

From the above description, it can be understood that when being used together with one of the above chair armrests, the mouse pad of the present invention allows a mouse to be easily and smoothly operated thereon because it is positioned substantially as high as the armrest, on which the user is resting the elbows. And, the mouse pad can be easily adjusted in position to suit different situations. Consequently, the users are less likely to have sore arms or wrists after using a computer for an extended period of time.